

Missouri Agricultural Experiment Station.

GROW STOCK FEED THIS FALL.

Owing to the unprecedented drouth and excessive heat the supply of stock feed of all classes in all portions of the state will be much below the average, and in most sections will be very scarce and expensive. Already a large amount of the surplus stock has been thrown on the market, so that less feed will be required than in the average year. At the same time, every indication points to a great shortage in farm stock next spring, and to the fact that abnormally high prices will then prevail.

It will be very profitable, therefore, for the farmer to carry over as much stock as possible, and to take that through the winter in a good, thrifty condition. It is scarcely necessary to say that only first-class stock can be profitably wintered this time. If the supply of good stock is below that which can be wintered, it will be the best possible investment to sell off the inferior stock and buy well-bred animals of good quality. Such an opportunity to buy good stock at low figures does not come often.

GROW FORAGE THIS FALL.

The supply of feed can be largely increased by growing one or more forage crops which can be made to mature between now and frost, provided an average rainfall occurs from now on. Among the crops that may be sown now for this purpose, the following are recommended:

The cowpeas, if sown at once on well prepared land, wheat or oat stubble that is broken, ought to make one or two tons of hay that excels clover in feeding value. This hay can be gotten off the ground in time to sow the land in wheat without another breaking, the surface being disked just ahead of the drill. Cowpeas improve the land, just as clover does, and make a splendid preparation for wheat. The Whippoorwill or New Era varieties are recommended, sown at the rate of a bushel per acre, either broadcast or preferably with a wheat drill. The hay is cured and handled about the same as clover. Cowpeas stand the heat and drouth well.

Sorghum is another drouth and heat resisting crop, very productive, and will mature before frost if sown now on well prepared land at the rate of about a bushel of seed to the acre. The Early Amber variety is preferred for this late sowing. The hay may be partially cured in the swath, and then made into large shocks to complete the curing process, and stacked later. Unfortunately, the supply of sorghum and cowpea seed is almost exhausted in our markets, owing to the large recent demand. Unless the farmer has a supply of seed on hand, or knows where it can be gotten quickly, it will be better to try something else, as it is getting late, especially for cowpeas.

Kaffir corn is closely related to sorghum, and may be grown and handled in essentially the same way, with almost as satisfactory results, although it is not regarded as quite so good a hay plant. The markets still have a fair supply of this seed.

Millet may be used quite successfully, and will stand considerable drouth and much heat. The farmers of Missouri are too familiar with this

crop to need any advice concerning the methods of growing and harvesting it.

Brown dourha, a plant closely related to sorghum and Kaffir corn, somewhat extensively used in the dry portions of Kansas, may be used if the seed of the others mentioned cannot be gotten. It is not considered to be quite so productive and satisfactory, however.

This about exhausts the range of profitable hay crops for late sowing. Crimson clover does not succeed well in this climate as a rule, and does not resist drouth.

FOR FALL PASTURE.

Rape has been grown successfully for fall pasture in this state, but the experience with this plant for fall use is somewhat limited, and it is not considered so sure a crop as the hay crop just named. It is a cool-weather plant and requires a reasonable amount of moisture; but the spring-sown rape has stood the drouth and heat of the summer quite well on the college farm this year. Rape may be sown in the corn where the stand is not good, or where the growth has been seriously retarded by the drouth, sowing at the rate of about two pounds per acre, and cover lightly. If sufficient rain comes to start it well, it will make a large amount of excellent pasture for sheep, hogs and cattle, and will continue green until the ground freezes. Its greatest growth will occur after the corn is cut.

Rape will do better, however, if sown alone, in which case three pounds of seed per acre should be used. Dwarf Essex is the variety to use. The seed will cost from 8 to 10 cents per pound, or from 12 to 20 cents per acre, so that the farmer will not be at much expense even if the season is not favorable enough to make a crop.

Turnips.—On land especially suited to this purpose, turnips would be worth sowing, for the farmer who expects to winter any considerable number of sheep. While in ordinary seasons this crop is not considered especially profitable, except in a small way, yet in view of the great scarcity of feed, it will be worth growing this year.

A large area of rye and wheat should be sown as early as possible, for fall, winter and early spring pasture.

Of course it is understood that if the drouth continues through July and August, all of the crops recommended for hay will fail, but in view of the great scarcity of feed, it will be well worth the investment and risk to sow every available acre in something that will produce feed if it rains. It is hardly necessary to add that all the straw should be carefully saved for feed, that all the corn fodder should be preserved and arrangements made to protect the stock against the winter storms, to make the feed go as far as possible.

The experience of 1881, the time of the last disastrous drouth, in which the continued rain of the winter did so much damage to the small amount of feed on hand, should not be forgotten, and every reasonable precaution should be taken to prevent its repetition this winter.

H. J. WATERS,
Director.

Newlee has something to show you, all new, at Houx Bros. 25 2w

In Honor of Miss Houston.

Wednesday evening a beautiful garden fete was given from 8 to 12 by Miss Helen Rose, daughter of John Rose of this city, complimentary to her guest, Miss Susie Houston, of Mexico. This home, which is one of the most attractive on Highland, is surrounded by a well-kept lawn, which is always most inviting. Upon this evening the grounds were brilliantly illuminated by many Japanese lanterns. Comfortable rockers, garden seats, hammocks, etc., were generously distributed. Fruit lemonade was served from a vine-covered corner of the porch by Misses Mary Buckner and Ruth Rose. Lovely refreshments of ice and cake were served in the vine-covered summer-house, decorated and lighted by shaded lamps and Japanese lanterns, which when filled with the happy company of young men and maidens made a lively scene.

Those in attendance were: Misses Susie Houston, Ruth Dysart, Floy Tucker, Frances McClure, Leona Page, Vertna Prior, Vesta Lackey, Anna Hupp, Annette Francisco, Josephine Jackson, Katherine McAmis, Lula Hayes, Mamie Sharp, Ione Rogers, Edna Armentrout, Fannie Lewis and Messrs. Chester Seargeant, Will Naylor, Tom Ament, Howard Shepherd, Charles Holloway, Hallie Lane, Sam Irvine, Robert Lamkin, Guy McAmis, Charles and Leland Viley, Russell Hayes, Kenneth Spencer and Junior Bryant.

Missionary Meeting.

The Woman's Missionary Society of the C. P. church had a pleasant and profitable meeting Thursday afternoon, August 1st, with Mrs. Clemmens at her home on College Hill, when the following program was given:

Topic—"Mission Work in Mexico."
Prayer—By the president.
Devotional Exercises—Mrs. Stuart.
Song—No. 127, "I Will Sing the Wondrous Story."
Prayer—Mrs. Olson and Mrs. Garat.
Song—No. 171, "Take Time to Be Holy."

Sentence Prayer.
"The Catholic Religion and Effects in Mexico; Good and Bad"—Mrs. N. C. Bishop.

"Letters from Missionaries"—Mrs. W. E. Grube.

"The School as a Missionary Agency"—Mrs. Burnham.

"Current Missionary Items"—Mrs. W. J. Mitchell.

Prayer—Mrs. Penick.
Roll Call—Answer with Scripture.

Minutes of last meeting.

Unfinished business.

New business.

Dues.

Farewell offering.

MRS. E. E. MORRIS, Pres.

MRS. D. F. MANNING, Sec'y.

MRS. D. L. COOPER, Treas.

Meeting of the School Board.

The school board had a called meeting Monday night, July 29th, when the contract for the winter's coal was awarded to J. M. Huff & Son, the order calling for ten thousand bushels, the amount used last year.

A committee was appointed to secure the renovation and repairing of the buildings for the coming year.

The time for the opening of school will be decided at the next meeting of the board, the first Monday in August.

Miss May Duggins was elected by the board to take the place of Miss Whitaker in the high school teacher of English. Miss Duggins is a young lady of fine ability, having filled the position of teacher in the Marshall schools for ten years, and is a faithful, conscientious and painstaking teacher, who will no doubt fill the position with credit.

The vacancy caused by the promotion of Miss Duggins will likely be filled at the next regular meeting of the board.

Picnic at Wilton.

A party of young people, chaperoned by Misses Annie Walker, Fannie Kincaid and Messrs. Will Walker and Warren Culvert, enjoyed the evening Wednesday at Wilton Springs. Sufficient rain had fallen to lay the dust, making the drive all the more enjoyable. The grand old moon made night like day and the drive home was quite as pleasant as one could desire.

The party was a compliment to Miss Helen Rose and guest, Miss Houston, of Mexico. In addition to the above, there were the following: Misses Ione Rogers, Mamie Sharp, Ruth Dysart, Vesta Lackey, of Kansas City, Floy Tucker and Messrs. Hallie Lane, Robert Lamkin, Howard Shepherd of Colorado Springs, Chester Seargeant, Tom Ament, Will Naylor and Guy McAmis.

A. J. Pitt Visits Marshall.

Mr. A. J. Pitt, the guest of Rev. Charles E. Thomas and family, will sing at the Presbyterian church Sunday morning and at Saline church in the afternoon. Mr. Pitt, who was educated in England, has had 5 years of musical training in this country under Profs. Towner and Coffin, of Chicago, and is also a pupil of Prof. Shaw, of Omaha. Mr. Pitt entertained the county officials Tuesday afternoon in the office of the county clerk, demonstrating the fact that he has quite a knowledge of music.

Order of Publication.

STATE OF MISSOURI,
County of Saline.

In the Probate Court, County of Saline and State of Missouri, June Term, 1901.
In the Matter of the Estate of Order of Publication of Leslie Over, deceased. Citation.
Now comes J. M. Hunter, administrator, with the will annexed, of the estate of Leslie Over, deceased, presents to the court his petition, praying for an order for the sale of so much of the real estate of said deceased as will pay and satisfy the remaining debts due by said estate, and yet unpaid for want of sufficient assets, accompanied by the accounts, lists and inventories required by law in such case; on examination whereof it is ordered that all persons interested in the estate of said deceased be notified that application as aforesaid has been made, and that unless the contrary be shown on or before the first day of the next term of this court, to be held on the 2d of September next, an order will be made for the sale of the whole, or so much of the real estate of said deceased as will be sufficient for the payment of said debts; and it is further ordered that this notice be published in some newspaper in this county for four weeks before the next term of this court; and that personal service hereof be made on the heirs or devisees of the deceased residing in Saline county at least ten days before the next term of this court.

STATE OF MISSOURI,
County of Saline.
I, Wm. D. Bush, Judge and ex-officio Clerk of the Probate Court in and for said county, hereby certify that the above is a true copy of the original Order of Publication therein referred to as the same appears of record in my office.

Witness my hand as Clerk and the seal of said Court.
[SEAL.] Done at office in Marshall, in said county, this 18th day of July, A. D. 1901.

WM. D. BUSH,
Judge and Ex-Officio Clerk.

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